

Claims

1. An articulated-arm assembly for plumbing fixtures having
 - 1.1 a mounting fixture (1) for fastening the assembly in place,
 - 1.2 an arm (10) jutting out of the mounting fixture (1),
 - 1.3 a pivot joint for joining the arm (10) to the mounting fixture (1),
 - 1.4 a brake (12) for locking the arm (1) in place, and
 - 1.5 a ratchet that allows pivoting the arm in one direction.
2. An articulated-arm assembly according to claim 1, wherein the brake (12) and/or ratchet are part of the pivot joint for the arm (10).
3. An articulated-arm assembly according to claim 1 or claim 2, wherein the pivot axis is horizontal.
4. An articulated-arm assembly according to any of the foregoing claims, wherein the ratchet acts on a sleeve or collar (14) that may be joined to, or is joined to, the arm (10), in particular, acts on the outer surface of the sleeve or collar (14).
5. An articulated-arm assembly according to any of the foregoing claims, wherein the ratchet's pawl (6) is arranged on the mounting fixture (1) and has a length equalling that of the sleeve or collar (14).
6. An articulated-arm assembly according to any of the foregoing claims, wherein the brake (12) is fastened to the arm (10) such that it is constrained from rotating with respect to the latter.
7. An articulated-arm assembly according to any of the foregoing claims, wherein the joint joining the arm (10) to the ratchet, in particular, the sleeve or collar (14) thereof, is created by the brake (12).

8. An articulated-arm assembly according to any of the foregoing claims, wherein the brake (12) is a friction brake.
9. An articulated-arm assembly according to any of claims 4 - 8, wherein the brake (12) engages a cylindrical inner surface of the ratchet's collar (14).
10. An articulated-arm assembly according to any of claims 4 - 9, wherein, in particular, the brake (12) is arranged coaxial with the ratchet's collar (14).
11. An articulated-arm assembly according to any of the foregoing claims, wherein the brake (12) contains several brake shoes (23) whose motions have at least one radial component.
12. An articulated-arm assembly according to any claim 11, wherein the brake shoes (23) are actuated by at least one conical component that may be translated in an axial direction.
13. An articulated-arm assembly according to claim 12, wherein a pair of counteroriented conical components whose separation is adjustable are provided.
14. An articulated-arm assembly according to claim 13, wherein the pair of conical components jointly have axial play.
15. An articulated-arm assembly according to any of the foregoing claims, wherein the brake (12) is spring-loaded.
16. An articulated-arm assembly according to any of the foregoing claims, wherein the space accommodating the brake (12) and/or ratchet is configured such that it is sealed with respect to the ambient.

17. An articulated-arm assembly according to any of the foregoing claims, wherein the braking device (12) has an adjustable braking force.
